

# Akira Iwase

## List of Publications by Year in descending order

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78  
papers

2,035  
citations

257101

24  
h-index

264894

42  
g-index

78  
all docs

78  
docs citations

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times ranked

2527  
citing authors

#	ARTICLE	IF	CITATIONS
1	The post-operative decline in serum anti-Müllerian hormone correlates with the bilaterality and severity of endometriosis. <i>Human Reproduction</i> , 2011, 26, 904-910.	0.4	175
2	Serum anti-Müllerian hormone level is a useful marker for evaluating the impact of laparoscopic cystectomy on ovarian reserve. <i>Fertility and Sterility</i> , 2010, 94, 2846-2849.	0.5	131
3	Synergy in tumor suppression by direct interaction of Neutral Endopeptidase with PTEN. <i>Cancer Cell</i> , 2004, 5, 67-78.	7.7	101
4	Evaluation of the safety of time-lapse observations for human embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2010, 27, 93-96.	1.2	95
5	One-year follow-up of serum anti-Müllerian hormone levels in patients with cystectomy: are different sequential changes due to different mechanisms causing damage to the ovarian reserve?. <i>Fertility and Sterility</i> , 2013, 100, 516-522.e3.	0.5	93
6	The magnitude of gonadotoxicity of chemotherapy drugs on ovarian follicles and granulosa cells varies depending upon the category of the drugs and the type of granulosa cells. <i>Human Reproduction</i> , 2015, 30, dev256.	0.4	89
7	Sphingosine-1-phosphate inhibits H <sub>2</sub> O <sub>2</sub> -induced granulosa cell apoptosis via the PI3K/Akt signaling pathway. <i>Fertility and Sterility</i> , 2012, 98, 1001-1008.e1.	0.5	76
8	Animal models of polycystic ovary syndrome: A review of hormone-induced rodent models focused on hypothalamus-pituitary-ovary axis and neuropeptides. <i>Reproductive Medicine and Biology</i> , 2019, 18, 151-160.	1.0	60
9	PTEN and Akt expression during growth of human ovarian follicles. <i>Journal of Assisted Reproduction and Genetics</i> , 2007, 24, 541-546.	1.2	52
10	Anti-Müllerian hormone as a marker of ovarian reserve: What have we learned, and what should we know?. <i>Reproductive Medicine and Biology</i> , 2016, 15, 127-136.	1.0	52
11	Novel ovarian endometriosis model causes infertility via iron-mediated oxidative stress in mice. <i>Redox Biology</i> , 2020, 37, 101726.	3.9	51
12	Establishment of a Human Nonluteinized Granulosa Cell Line that Transitions from the Gonadotropin-Independent to the Gonadotropin-Dependent Status. <i>Endocrinology</i> , 2012, 153, 2851-2860.	1.4	50
13	Chronic Peripheral Administration of Kappa-Opioid Receptor Antagonist Advances Puberty Onset Associated with Acceleration of Pulsatile Luteinizing Hormone Secretion in Female Rats. <i>Journal of Reproduction and Development</i> , 2013, 59, 479-484.	0.5	50
14	IGF1-induced AKT phosphorylation and cell proliferation are suppressed with the increase in PTEN during luteinization in human granulosa cells. <i>Reproduction</i> , 2009, 137, 835-842.	1.1	43
15	GnRH agonist leuprolide acetate does not confer any protection against ovarian damage induced by chemotherapy and radiation <i>in vitro</i> . <i>Human Reproduction</i> , 2015, 30, dev257.	0.4	43
16	Insulin Attenuates the Insulin-Like Growth Factor-I (IGF-I)-Akt Pathway, not IGF-I-Extracellularly Regulated Kinase Pathway, in Luteinized Granulosa Cells with an Increase in PTEN. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2184-2191.	1.8	41
17	Assessment of ovarian reserve using anti-Müllerian hormone levels in benign gynecologic conditions and surgical interventions: a systematic narrative review. <i>Reproductive Biology and Endocrinology</i> , 2014, 12, 125.	1.4	41
18	Ovarian endometriosis-associated stromal cells reveal persistently high affinity for iron. <i>Redox Biology</i> , 2015, 6, 578-586.	3.9	40

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19	Anti-Müllerian Hormone and Assessment of Ovarian Reserve After Ovarian Toxic Treatment: A Systematic Narrative Review. <i>Reproductive Sciences</i> , 2015, 22, 519-526.	1.1	39
20	Clinical application of serum anti-Müllerian hormone as an ovarian reserve marker: A review of recent studies. <i>Journal of Obstetrics and Gynaecology Research</i> , 2018, 44, 998-1006.	0.6	39
21	Effect of the neuropeptide phoenixin and its receptor GPR173 during folliculogenesis. <i>Reproduction</i> , 2019, 158, 25-34.	1.1	39
22	Localization of angiotensin II, the AT1 receptor, angiotensin-converting enzyme, aminopeptidase A, adipocyte-derived leucine aminopeptidase, and vascular endothelial growth factor in the human ovary throughout the menstrual cycle. <i>Fertility and Sterility</i> , 2006, 86, 433-439.	0.5	35
23	The ferroimmunomodulatory role of ectopic endometriotic stromal cells in ovarian endometriosis. <i>Fertility and Sterility</i> , 2012, 98, 415-422.e12.	0.5	32
24	A proteomic analysis of human follicular fluid: comparison between fertilized oocytes and non-fertilized oocytes in the same patient. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1231-1238.	1.2	32
25	Increase of kisspeptin-positive cells in the hypothalamus of a rat model of polycystic ovary syndrome. <i>Metabolic Brain Disease</i> , 2016, 31, 673-681.	1.4	25
26	Oral progestogen versus intramuscular progesterone for luteal support after assisted reproductive technology treatment: a prospective randomized study. <i>Archives of Gynecology and Obstetrics</i> , 2008, 277, 319-324.	0.8	23
27	Thyroid Autoantibodies do not Impair the Ovarian Reserve in Euthyroid Infertile Women: A Cross-Sectional Study. <i>Hormone and Metabolic Research</i> , 2018, 50, 537-542.	0.7	23
28	Analysis of the Effect of Leukemia Inhibitory Factor on Follicular Growth in Cultured Murine Ovarian Tissue. <i>Biology of Reproduction</i> , 2015, 93, 18.	1.2	22
29	Anti-Müllerian hormone as a marker of ovarian reserve following chemotherapy in patients with gestational trophoblastic neoplasia. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2013, 167, 194-198.	0.5	20
30	Neutral Endopeptidase Expressed by Decidualized Stromal Cells Suppresses Akt Phosphorylation and Deoxyribonucleic Acid Synthesis Induced by Endothelin-1 in Human Endometrium. <i>Endocrinology</i> , 2006, 147, 5153-5159.	1.4	19
31	Protective effects of mangafodipir against chemotherapy-induced ovarian damage in mice. <i>Reproductive Biology and Endocrinology</i> , 2018, 16, 106.	1.4	19
32	Impact of perioperative use of GnRH agonist or dienogest on ovarian reserve after cystectomy for endometriomas: a randomized controlled trial. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 179.	1.4	18
33	Regulation of secondary follicle growth by theca cells and insulin-like growth factor 1. <i>Journal of Reproduction and Development</i> , 2015, 61, 161-168.	0.5	17
34	CYP51A1 Induced by Growth Differentiation Factor 9 and Follicle-Stimulating Hormone in Granulosa Cells Is a Possible Predictor for Unfertilization. <i>Reproductive Sciences</i> , 2015, 22, 377-384.	1.1	17
35	Use of Follicle-Stimulating Hormone Test to Predict Poor Response in In Vitro Fertilization. <i>Obstetrics and Gynecology</i> , 2005, 105, 645-652.	1.2	16
36	Assessment of the predictive value of follicular fluid insulin, leptin and adiponectin in assisted reproductive cycles. <i>Gynecological Endocrinology</i> , 2010, 26, 494-499.	0.7	16

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37	Usefulness of the Ultrasensitive Anti-Müllerian Hormone Assay for Predicting True Ovarian Reserve. <i>Reproductive Sciences</i> , 2016, 23, 756-760.	1.1	16
38	Three-dimensional CT Angiography Is Useful for Diagnosis of Postabortion Uterine Hemorrhage: 3 Case Reports and Review of the Literature. <i>Journal of Minimally Invasive Gynecology</i> , 2010, 17, 246-251.	0.3	15
39	Preferable correlation to blastocyst development and pregnancy rates with a new embryo grading system specific for day 3 embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2007, 24, 23-28.	1.2	14
40	Expression and localization of CXCL16 and CXCR6 in ovarian endometriotic tissues. <i>Archives of Gynecology and Obstetrics</i> , 2011, 284, 1567-1572.	0.8	14
41	Non-thermal plasma prevents progression of endometriosis in mice. <i>Free Radical Research</i> , 2016, 50, 1131-1139.	1.5	13
42	Follicle dynamics: visualization and analysis of follicle growth and maturation using murine ovarian tissue culture. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 339-343.	1.2	13
43	Involvement of mesosalpinx in endometrioma is a possible risk factor for decrease of ovarian reserve after cystectomy: a retrospective cohort study. <i>Reproductive Biology and Endocrinology</i> , 2016, 14, 72.	1.4	12
44	FGFR Signaling as a Candidate Therapeutic Target for Cancers Resistant to Carbon Ion Radiotherapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4563.	1.8	12
45	Upregulation of Fibroblast Growth Factors Caused by Heart and Neural Crest Derivatives Expressed 2 Suppression in Endometriotic Cells: A Possible Therapeutic Target in Endometriosis. <i>Reproductive Sciences</i> , 2019, 26, 979-987.	1.1	12
46	Possible Involvement of CD10 in the Development of Endometriosis Due to Its Inhibitory Effects on CD44-Dependent Cell Adhesion. <i>Reproductive Sciences</i> , 2014, 21, 82-88.	1.1	11
47	Anti-Müllerian hormone levels after laparoscopic cystectomy for endometriomas as a possible predictor for pregnancy in infertility treatments. <i>Gynecological Endocrinology</i> , 2016, 32, 293-297.	0.7	11
48	FOXL2C134W-Induced CYP19 Expression via Cooperation With SMAD3 in HGrC1 Cells. <i>Endocrinology</i> , 2018, 159, 1690-1703.	1.4	11
49	Association between FSH, E1, and E2 levels in urine and serum in premenopausal and postmenopausal women. <i>Clinical Biochemistry</i> , 2019, 73, 105-108.	0.8	11
50	Effect of hypothyroidism and thyroid autoimmunity on the ovarian reserve: A systematic review and meta-analysis. <i>Reproductive Medicine and Biology</i> , 2022, 21, e12427.	1.0	11
51	Successful management of a massive hemorrhage due to rupture of cystic cervical endometriosis by a loop electrosurgical excision procedure. <i>Fertility and Sterility</i> , 2008, 89, 991.e13-991.e15.	0.5	10
52	Focal Adhesion Kinase-Mediated Sequences, Including Cell Adhesion, Inflammatory Response, and Fibrosis, as a Therapeutic Target in Endometriosis. <i>Reproductive Sciences</i> , 2020, 27, 1400-1410.	1.1	10
53	Distribution of Adipocyte-derived Leucine Aminopeptidase (A-LAP)/ER-aminopeptidase (ERAP)-1 in Human Uterine Endometrium. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 1169-1175.	1.3	9
54	Anti-Müllerian hormone as a marker of ovarian reserve in patients with ovarian malignancies who have undergone fertility-preserving surgery and chemotherapy. <i>Gynecological Endocrinology</i> , 2013, 29, 357-360.	0.7	9

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55	PAI $\alpha$ 1 in granulosa cells is suppressed directly by statin and indirectly by suppressing TGF $\beta$ 2 and TNF $\alpha$ in mononuclear cells by insulin $\alpha$ sensitizing drugs. American Journal of Reproductive Immunology, 2017, 78, e12669.	1.2	9
56	Choosing the optimal therapeutic strategy for placental polyps using power Doppler color scoring: Transarterial embolization followed by hysteroscopic resection or expectant management?. Taiwanese Journal of Obstetrics and Gynecology, 2016, 55, 534-538.	0.5	8
57	Anti-M $\alpha$ llerian hormone as a possible predictor of fecundability in subfertile women over 38 years: a retrospective cohort study. Gynecological Endocrinology, 2015, 31, 22-25.	0.7	7
58	Ovarian Tissue Culture to Visualize Phenomena in Mouse Ovary. Journal of Visualized Experiments, 2018, , .	0.2	7
59	Distribution of Endothelin-converting Enzyme-1 and Neutral Endopeptidase in Human Endometrium. Journal of Histochemistry and Cytochemistry, 2007, 55, 1229-1235.	1.3	6
60	Altered Expression of Enzymes Regulating the Activity of Endothelin-1 in the Lower Segment of the Human Amnion During Labor1. Biology of Reproduction, 2013, 89, 52.	1.2	6
61	Very Low Levels of Serum Anti-M $\alpha$ llerian Hormone as a Possible Marker for Follicle Growth in Patients with Primary Ovarian Insufficiency Under Hormone Replacement Therapy. Reproductive Sciences, 2021, 28, 31-36.	1.1	6
62	Serum pentraxin 3 as a possible marker for mature cystic teratomas. Gynecological Endocrinology, 2016, 32, 733-736.	0.7	5
63	Postpartum unscarred uterine rupture caused by placenta accreta: A case report and literature review. Clinical Case Reports (discontinued), 2021, 9, 1587-1590.	0.2	5
64	Mutation Analysis of Radioresistant Early-Stage Cervical Cancer. International Journal of Molecular Sciences, 2022, 23, 51.	1.8	4
65	Optimal timing of elective repeat cesarean deliveries of term singleton pregnancies: A multicenter cross-sectional study. Taiwanese Journal of Obstetrics and Gynecology, 2022, 61, 317-322.	0.5	4
66	Successful fertility management of a patient with factor V deficiency: planned transfusion of fresh frozen plasma under infertility treatment. Fertility and Sterility, 2011, 95, 2124.e5-2124.e7.	0.5	3
67	Malignancies Associated with Extraovarian Endometriosis: A Literature Review. Endocrines, 2021, 2, 251-265.	0.4	3
68	Tamoxifen Activates Dormant Primordial Follicles in Mouse Ovaries. Reproductive Sciences, 2022, 29, 3404-3412.	1.1	3
69	Effect of salpingectomy on ovarian reserve: A systematic review and meta $\alpha$ analysis. Journal of Obstetrics and Gynaecology Research, 0, , .	0.6	3
70	Scar endometriosis after a laparotomy for uterine perforation as a complication of dilatation and curettage. Archives of Gynecology and Obstetrics, 2009, 279, 941-943.	0.8	2
71	Retrospective analysis of magnetic resonance imaging for differentiating intraligamentous leiomyomas from subserosal leiomyomas. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2017, 215, 256-257.	0.5	2
72	Predictive factors for massive hemorrhage in women with retained products of conception: a prospective study. Scientific Reports, 2022, 12, .	1.6	2

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73	Successful surgical management of a septate uterus constricted with leiomyomas: hysteroscopic metroplasty using a Foley catheter. Archives of Gynecology and Obstetrics, 2013, 287, 835-836.	0.8	1
74	The Non-Cancer Specific Elevation of the Serum Squamous Cell Carcinoma Antigen during the Post-Radiotherapy Follow-Up of Cervical Cancer Patients. Diagnostics, 2021, 11, 1585.	1.3	1
75	Time-lapse observations to analyze the effects of assisted hatching. Reproductive Medicine and Biology, 2014, 13, 217-221.	1.0	0
76	The Regulation of Ovarian Follicular Growth by Anti-Müllerian Hormone. Journal of Mammalian Ova Research, 2018, 35, 13-19.	0.1	0
77	Evolution of Reproductive Endocrinology Expanding in the Obstetrics and Gynecology. Kitakanto Medical Journal, 2021, 71, 65-66.	0.0	0
78	Special Issue "Impact of Endometriosis on Women's Health". Endocrines, 2022, 3, 223-224.	0.4	0